TERTIARY PERMITTEE EROSION & SEDIMENT CONTROL PLANS FOR:
BURNT HICKORY ESTATES PHASE 8, LOTS 46, 47, 54, 55

I CERTIFY UNDER THE PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

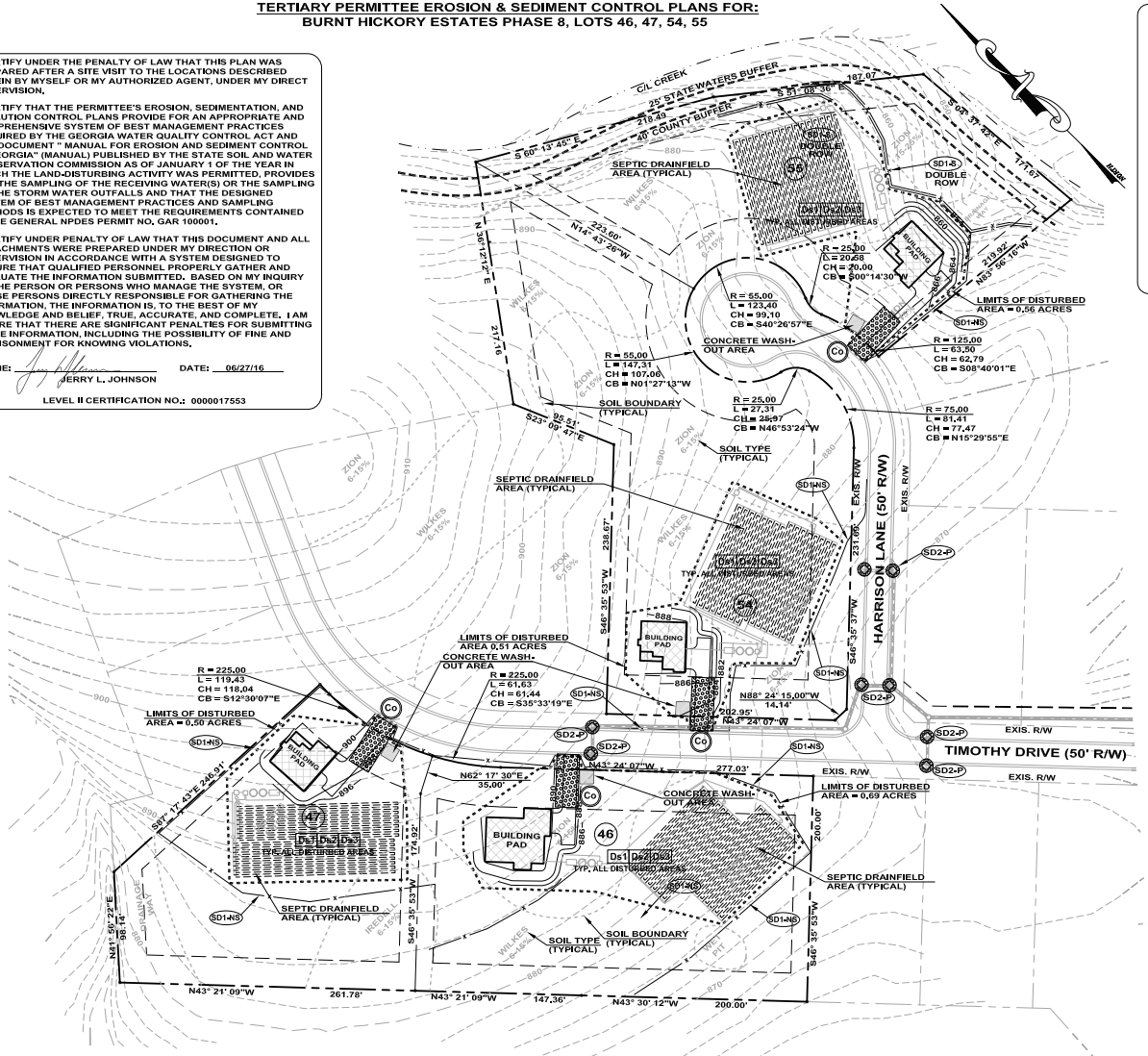
I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLANS PROVIDE FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT " MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

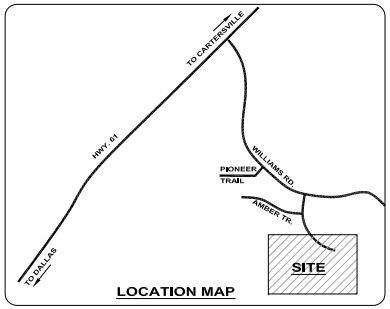
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NAME: _____ DATE: 06/27/16

JERRY L. JOHNSON

LEVEL II CERTIFICATION NO.: 0000017553





LOCATION MAP

Code	Practice	Description
Sd1-NS	Sediment Barrier For Non-Sensitive Areas	A barrier to prevent sediment from leaving the non-sensitive areas of a construction site. It may be sand-bags, bales of straw, hay, brush logs and poles, gravel, or a sediment fence, The barriers are usually temporary.
Sd1-S	Sediment Barrier For Sensitive Areas	Sensitive areas require fence that is 36-inches wide with wire reinforcement. This silt fence shall be used where runoff flows or velocities are particularly high, where state waters or wetlands are located, or where slopes exceed a vertical height of 10 feet.
Sd2-P	Inlet Sediment Trap	A temporary protective device formed around a storm drain drop inlet to trap sediment. Once pavement has been installed, a curb inlet filter shall be installed on inlets receiving runoff from disturbed areas.
Ds1	Disturbed Area Stabilization (with Mulching Only)	Established temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	Disturbed Area Stabilization (with Temporary Seeding)	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	Disturbed Area Stabilization (with Permanent Vegetation)	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas.
Co	Construction Exit	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.

CONSTRUCTION SCHEDULE

	2016 / 2017 JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
INSTALL TREE PROTECTION FENCE	▬											
INSTALL EROSION, SEDIMENTATION, AND POLLUTION CONTROL MEASURES	▬	▬										
CLEARING, GRUBBING, AND GRADING	▬	▬	▬	▬	▬							
MAINTAIN TREE PROTECTION FENCE AND EROSION, SEDIMENTATION & POLLUTION CONTROL MEASURES	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
INSTALL UNDERGROUND UTILITIES						▬	▬	▬				
INSTALL CURBING & PAVING						▬	▬	▬	▬			
GRASSING: TEMPORARY	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬	▬
GRASSING: PERMANENT										▬	▬	
REMOVE TEMPORARY STRUCTURES										▬	▬	
REMOVE TREE PROTECTION FENCE											▬	

PROJECT LOCATION
LAT. N - 34.03°
LONG. E - 84.83°

24 HR. CONTACT
JEFF COX
678-900-4283

LEVEL II CERTIFICATION
JERRY L. JOHNSON
0000017553
09/27/2018

BUFFER NOTE:
NON-EXEMPT ACTIVITIES SHALL BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

Know what's below. Call before you dig.

DISTURBED AREA BY LOT
LOT 46 = 0.69 ACRES
LOT 47 = 0.50 ACRES
LOT 54 = 0.51 ACRES
LOT 55 = 0.56 ACRES
TOTAL = 2.26 ACRES

FLOOD NOTE: NO PORTIONS OF THIS PROPERTY LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON PAULDING CO. , GEORGIA F.E.M.A. FLOOD RATE INSURANCE MAP, COMMUNITY PANEL NUMBER 13223C0133C, DATED SEPTEMBER 29, 2006

NOTE:
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO LAND DISTURBING ACTIVITIES.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

TOTAL DISTURBED AREA
2.3 ACRES

REVISIONS
10-31-14 - REVISED PER SWCD REVIEW
03/10/16 - CHANGE PRIMARY PERMITTEE NAME
06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

www.perspectiveeng.com
PERSPECTIVE ENGINEERING
P.O. Box 1848
Dallas, Georgia 30132
Ph: (678) 567-1203
Fax: (678) 567-1204

DWG: 2014-474R2.DWG | JOB NUMBER: 20144-74
DATE: 06/27/16 | DRAWN BY: JLJ

PROJECT NAME
BURNT HICKORY ESTATES - PH8, LOTS 47, 47, 54 & 55
LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
PAULDING COUNTY, GEORGIA

CLIENT NAME
GEORGIA HOUSE BUYERS INC
21 COLONIAL CIRCLE NW
CARTERSVILLE, GEORGIA 30120

SEAL
GEORGIA REGISTERED NO. 0000017553 PROFESSIONAL ENGINEER JERRY L. JOHNSON
06/27/16

TERTIARY EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

1.0

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
NOTES FOR:
TERTIARY PERMITTEE

1. THE EROSION, SEDIMENTATION & POLLUTION CONTROL CHECK LIST HAS BEEN ATTACHED TO THESE PLANS. A SEPARATE COPY IS SHOWN ON DETAIL SHEET 3.2.

2. THE LICENSED PLAN PREPARER HAS AFFIXED THEIR SEAL TO EACH OF THE ES&PC PLAN SHEETS. THE LICENSED PLAN PREPARER FOR THIS DEVELOPMENT IS:
   JERRY L. JOHNSON
   GEORGIA PROFESSIONAL ENGINEER LICENSE No. 27064
   GSWCC LEVEL II DESIGN PROFESSIONAL CERT. No. 0000017553

3. *N/A - THIS PROJECT SITE DOES NOT DISTURB MORE THAN 50 ACRES AT ONE TIME.

4. THE 24-HOUR CONTACT FOR THIS PROJECT IS:
   JEFF COX
   678-900-4283

5. THE TERTIARY PERMITTEE FOR THIS PROJECT IS:
   GEORGIA HOUSE BUYERS INC.
   21 COLONIAL CIRCLE NW
   CARTERSVILLE, GA 30120
   678-792-5449

6. THE TOTAL SITE AREA FOR THIS PROJECT IS 6.49 ACRES. THE TOTAL DISTURBED AREA FOR THIS PROJECT IS 2.26 ACRES.

7. THIS SITE IS LOCATED AT LATITUDE 34.03°N LONGITUDE 84.83°W

8. ALL ES&PC PLAN SHEETS HAVE INITIAL DATES OF THE PLANS AND ANY REVISIONS MADE TO THE PLAN, INCLUDING THE ENTITY WHO REQUESTED THE REVISIONS.

9. THE EXISTING PROJECT SITE IS CURRENTLY VACANT RESIDENTIAL SUBDIVISION LOTS THAT WERE PREVIOUSLY DEVELOPED BUT NEVER BUILT ON. THE PROPOSED DEVELOPMENT CONSISTS OF CONSTRUCTION OF SINGLE FAMILY RESIDENTS ON INDIVIDUAL LOTS THAT HAVE LESS THAN 1.0 ACRES OF DISTURBED AREA EACH. THERE ARE NO PROPOSED IMPACTS TO STATE WATERS, THEIR BUFFERS, OR DOWNSTREAM RECEIVING WATERS. ADJACENT PROPERTY TO THE NORTH, EAST, SOUTH AND WEST IS RESIDENTIAL.

10. A SITE LOCATION MAP (VICINITY MAP) IS SHOWN ON SHEET 1.0.

11. THE INITIAL RECEIVING WATERS FOR THIS PROJECT SITE IS DUNAWAY BRANCH, A TRIBUTARY OF FORK CREEK. NEIGHBORING AREAS DOWNSTREAM OF THIS RECEIVING WATER THAT COULD BE AFFECTED BY POST DEVELOPED RUNOFF INCLUDE RESIDENTIAL LOTS IN THE SURROUNDING NEIGHBORHOOD.

12. CERTIFICATION THAT A SITE VISIT WAS CONDUCTED PRIOR TO THE DEVELOPMENT OF THE ES&CP PLAN IS PROVIDED ON PLAN SHEET 1.0.

13. CERTIFICATION THAT THE ES&PC COMPREHENSIVE PLAN FOR BMPS AND SAMPLING MEETS THE REQUIREMENTS OF GENERAL PERMIT PAGE 17 IS PROVIDED ON PLAN SHEET 1.0.

14. AN INSPECTION OF THE INITIAL INSTALLATION OF BMPS SHALL BE CONDUCTED BY THE DESIGN PROFESSIONAL WITHIN 7 DAYS OF INSTALLATION. SEE PLAN SHEET 3.1 FOR THE 7-DAY VISIT CERTIFICATION.

15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

16. THIS SITE DOES NOT PROPOSE TO ENCROACH UPON ANY STATE OR LOCAL BUFFERS. NO BUFFER VARIANCES ARE REQUIRED.

17. ANY AMENDMENT TO THE EROSION SEDIMENTATION AND POLLUTION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. ANY REVISIONS OR AMENDMENTS TO THIS PLAN SHALL BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR REVIEW AND APPROVAL.

18. EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT, NO WASTE SHALL BE DISPOSED OF INTO STORM WATER INLETS OR STATE WATERS. STORAGE OF WASTE MATERIALS ON SITE SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER SHALL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED INTO THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE. ALL PERSONNEL SHALL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES SHALL BE POSTED AT THE JOBSITE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

20. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

22. A COPY OF THIS PLAN SHALL BE PROVIDED TO EACH SECONDARY PERMITTEE. EACH SECONDARY PERMITTEE SHALL BECOME FAMILIAR WITH THESE PLANS, AND SIGN IN THE DESIGNATED LOCATION ON PLAN SHEET 3.1 CERTIFYING THAT THEY ARE FAMILIAR WITH THESE PLANS AND AGREE TO WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS SHOWN HEREON.

23. THIS PROJECT SITE DOES NOT DISCHARGE STORM WATER INTO AN IMPAIRED STREAM SEGMENT OR WITHIN 1 LINEAR MILE UPSTREAM AND WITHIN THE SAME WATER SHED AS AN IMPAIRED STREAM SEGMENT.

24. A TMDL IMPLEMENTATION PLAN FOR SEDIMENT IS NOT REQUIRED ON THIS SITE BECAUSE IT DOES NOT DISCHARGE STORM WATER INTO AN IMPAIRED STREAM SEGMENT NOR IS IT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

25. A CONCRETE WASHOUT DETAIL IS PROVIDED ON SHEET 3.2. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

26. SPILL CLEANUP AND CONTROL PRACTICES:

   A. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
   B. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
   C. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
   D. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
   E. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON THE SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
   F. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
   G. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
   H. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
   I. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
NOTES FOR:
TERTIARY PERMITTEE

27. IN ORDER TO CONTROL POLLUTANTS IN STORM WATER AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED, A DETENTION POND WITH APPROPRIATE CONTROL DEVICES HAS BEEN PREVIOUSLY CONSTRUCTED WITHIN THE SUBDIVISION. ALL DISTURBED AREAS WILL BE STABILIZED WITH VEGETATION UPON COMPLETION OF CONSTRUCTION. VELOCITY DISSIPATION DEVICES HAVE BEEN PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUT FLOW CHANNEL IN ORDER TO PROVIDE A NON-EROSIVE FLOW SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS OF THE WATER COURSE ARE MAINTAINED AND PROTECTED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE FEDERAL CLEAN WATER ACT. THE PERMITTEE IS ONLY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF STORM WATER MANAGEMENT DEVICES PRIOR TO FINAL STABILIZATION OF THE SITE AND NOT THE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

28. DESCRIPTIONS OF SPECIFIC PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES ON-SITE ARE AS FOLLOWS:

   A. PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ALL ON-SITE VEHICLE AND MACHINERY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT / MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

   B. PAINTS / FINISHES / SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

   C. CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

   D. FERTILIZER / HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP-STAGE ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

   E. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

29. THE SCHEDULE FOR MAJOR ACTIVITIES WHICH DISTURB SOILS IS SHOWN ON PLAN SHEET 1.0.

30. AS REQUIRED BY THE GENERAL PERMIT PART IV.D.4, PAGES 24-28, THE FOLLOWING INSPECTIONS AND RECORD KEEPING SHALL BE MAINTAINED ON SITE BY THE PRIMARY, SECONDARY, AND TERTIARY PERMITTEES:

   1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS OR LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH 24-HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

   2. QUALIFIED PERSONNEL (PROVIDED BY PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE EVERY 7 (SEVEN) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER THE FOLLOWING: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.3.a.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

   3. QUALIFIED PERSONNEL (PROVIDED BY PRIMARY PERMITTEE) SHALL AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (IE. UNTIL THE NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

31. AS REQUIRED BY THE GENERAL PERMIT PAGES 30-31, THE FOLLOWING STORM WATER SAMPLES SHALL BE TAKEN FOR THE FOLLOWING STORM EVENTS AT THE FREQUENCY SPECIFIED:

   (A) FOR EACH AREA ON THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS (MONDAY THROUGH FRIDAY: 8:00AM TO 5:00PM AND SATURDAY 8:00AM TO 5:00PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION.

   (B) IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE PERMITTEE SHALL COLLECT SAMPLES FROM THE FIRST RAIN EVENT DURING NORMAL BUSINESS HOURS THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST.

   (C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS. AN TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.

32. AS REQUIRED BY THE GENERAL PERMIT PART IV, PAGE 31, THE PRIMARY PERMITTEE IS RESPONSIBLE FOR RETENTION OF RECORDS ON SITE AS FOLLOWS:

   (A) A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD
   (B) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT
   (C) THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT
   (D) A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT
   (E) A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.a OF THIS PERMIT
   (F) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED WITH ACCORDANCE WITH PART III.D.2 OF THIS PERMIT
   (G) DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(1)(c) OF THIS PERMIT.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
NOTES FOR:
TERTIARY PERMITTEE

33. STORM WATER SAMPLING ON SITE SHALL BE COLLECTED AND ANALYZED AS FOLLOWS:

   STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001".

   STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT EACH OUTFALL LOCATION DESIGNATED AS A SAMPLE POINT ON THE SCAN. A DISCHARGE OF STORM WATER RUN OFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR-100001.

34. THE NTU VALUE SELECTED IS BASED UPON THE SITE AREA OF 102 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF 0.72 SQ. MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

35. A TOPOGRAPHIC MAP HAS BEEN INCLUDED ON ES&PC PLAN SHEETS 3.1, 3.2 & 3.3. ALL WATER SAMPLING POINTS, PERENNIAL STREAMS, INTERMITTENT STREAMS, AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED HAVE BEEN SHOWN ON THESE PLANS AND IDENTIFIED.

36. INITIAL, INTERMEDIATE AND FINAL PHASES OF EROSION CONTROL MEASURES ARE SHOWN ON PLAN SHEET 1.0.

37. BMPS FOR ALL BUILDING LOTS UNDER THIS PLAN ARE INCLUDED ON SHEET 1.0. THERE IS NO TYPICAL LOT DETAIL. EACH LOT HAS SPECIFIC BMPS IDENTIFIED.

38. A GRAPH SCALE AND NORTH ARROW ARE SHOWN ON THE ES&PC PLAN SHEET 1.0.

39. EXISTING AND PROPOSED CONTOUR LINES HAVE BEEN SHOWN ON EACH OF THE ES&PC PLAN SHEET 1.0.

40. NO ALTERNATIVE BMPS ARE PLANNED FOR USE ON THIS PROJECT SITE.

41. NO ALTERNATIVE BMPS ARE PLANNED FOR USE ON THIS PROJECT SITE.

42. ALL STATE WATERS WITHIN 200 FEET OF THIS PROJECT SITE HAVE BEEN IDENTIFIED ON ES&PC PLAN SHEET 1.0 AND SHALL HAVE A MINIMUM 25' STATE BUFFER AND 40' UNDISTURBED COUNTY BUFFER.

43. THERE ARE STATE WATERS WITHIN 200 FEET OF THIS PROJECT SITE AND ARE IDENTIFIED ON SHEET 1.0. THERE ARE NO WETLANDS LOCATED IN THE DISTURBED AREAS OF THIS PROJECT SITE.

44. DELINEATIONS AND ACREAGE FOR EACH CONTRIBUTING DRAINAGE BASIN ON SITE HAVE BEEN SHOWN IN THE HYDROLOGY STUDY PREVIOUSLY PREPARED FOR THIS DEVELOPMENT.

45. A HYDROLOGY STUDY HAS BEEN PREPARED FOR THIS PROJECT SITE.

46. ESTIMATED PEAK RUNOFF COEFFICIENTS AND DISCHARGE RATES ARE AS FOLLOWS:

   PRE-DEVELOPED:
   CN = SEE HYDRO
   Q100 = SEE HYDRO

   POST-DEVELOPED:
   CN = SEE HYDRO
   Q100 = SEE HYDRO

47. STORM DRAIN FLOW CHARACTERISTICS FOR EXISTING STORM SYSTEMS HAVE BEEN PREVIOUSLY PROVIDED WITH THE MASTER DEVELOPMENT. THERE IS NO ADDITIONAL OUTLET PROTECTION PROPOSED FOR THE CONSTRUCTION OF SINGLE FAMILY HOMES ON THESE LOTS.

48. SOIL SERIES AND DELINEATIONS HAVE BEEN SHOWN ON THE ES&PC PLAN SHEET 1.0. SOILS FOR LOTS 46, 47, 54 & 55 ARE BASED ON A SOIL SURVEY PREPARED BY RIVERBEND SOILS, SEPTEMBER 2014.

49. THE LIMITS OF DISTURBANCE (AND AREA) FOR EACH LOT HAVE BEEN DELINEATED ON THE ES&PC PLAN SHEET 1.0.

50. 67 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE DRAINED HAS BEEN PROVIDED BY THIS PLAN. THIS PLAN WILL UTILIZE INLET SEDIMENT TRAPS, AND SILT FENCE FOR SEDIMENT STORAGE ON-SITE. APPROPRIATE DETAILS AND CALCULATIONS ARE SHOWN ON PLAN SHEETS 3.0, 3.1, 3.2 & 3.3.

51. LOCATIONS FOR BMPS THAT ARE CONSISTENT AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA ARE SHOWN ON PLAN SHEET 1.0. A LEGEND WITH A SHORT DESCRIPTION HAS BEEN PROVIDED ON EACH RESPECTIVE PLAN SHEET. IN ADDITION, DETAILS FOR EACH BMP HAVE BEEN INCLUDED ON PLAN SHEETS 3.0 THRU 3.3.

52. DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES RECOMMENDED AS BMPS FOR THIS PLAN CAN BE FOUND ON PLAN SHEETS 3.1 THRU 3.2.

53. A VEGETATIVE PLAN, NOTING ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES, INCLUDING SPECIES, PLANTING DATES AND SEEDING, FERTILIZING, LIME AND MULCHING RATES, IS PROVIDE ON PLAN SHEETS 3.0 THRU 3.1.

54. THIS PLAN COMPLIES WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS REGARDING WASTE DISPOSAL, SANITARY SEWER, AND SEPTIC TANKS. DURING CONSTRUCTION OPERATIONS, DISPOSAL OF SEWAGE AND OTHER WASTE GENERATED WILL BE AS FOLLOWS:

   A. HAZARDOUS WASTE
      ALL HAZARDOUS WASTE MATERIAL SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTE THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE OR PERMIT BOX. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

      THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS CAN BE KEPT IN PLACE FOR DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.B.

   SANITARY WASTE
      A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY 10 (TEN) WORKERS ON THE SITE. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

      ALL SANITARY WASTE UNITS SHALL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPS MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTE FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, PLAN SHEET 4.2, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. SANITARY SEWER WILL BE PROVIDED BY PAULDING COUNTY WATER & SEWER AT THE COMPLETION OF THIS PROJECT.

REVISIONS
03/10/16 - CHANGE PRIMARY PERMITTEE NAME
06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

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DWG: 2014-474R2.DWG | JOB NUMBER: 20144-74
DATE: 06/27/16 | DRAWN BY: JLJ

PROJECT NAME
BURNT HICKORY ESTATES - PH6, LOTS 47, 47, 54 & 55
LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
PAULDING COUNTY, GEORGIA

CLIENT NAME
GEORGIA HOUSE BUYERS INC
21 COLONIAL CIRCLE NW
CARTERSVILLE, GEORGIA 30120

SEAL
GEORGIA REGISTERED NO. 27064 PROFESSIONAL ENGINEER JERRY L. JOHNSON
06/27/16

EROSION & SEDIMENT CONTROL NOTES
2.0

Ds2

Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
BARLEY *Hordeum vulgare*					
alone	3 bu. (144 lbs)	3.3 lbs	M-L		14,000 seed per pound. Winter hardy. Use on productive soils.
in mixture	1/2 bu. (24 lbs)	0.8 lb	P		
			C		
LESPEDEZA, ANNUAL *Lespedeza striata*					
alone	40 lbs	0.9 lb	M-L		200,000 seed per pound. May volunteer for several years. Use inoculant EL.
in mixture	10 lbs	0.2 lb	P		
			C		
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L		1,500,000 seed per pound. May last for several years. Mix with Serices lespedeza.
in mixture	2 lbs	0.05 lb	P		
			C		
MILLET, BROWNTOP *Panicum fasciculatum*					
alone	40 lbs	0.9 lb	M-L		137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate.
in mixture	10 lbs	0.2 lb	P		
			C		

Ds2

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
MILLET, PEARL *Pennesetum glaucum*					
alone	50 lbs	1.1 lbs	M-L		88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
			P		
			C		
OATS *Avena sativa*					
alone	4 bu. (128 lbs)	2.9 lbs	M-L		13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
in mixture	1 bu. (32 lbs)	0.7 lb	P		
			C		
RYE *Secale cereale*					
alone	3 bu. (168 lbs)	3.9 lbs	M-L		18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
in mixture	1/2 bu. (28 lbs)	0.6 lb	P		
			C		
RYEGRASS, ANNUAL *Lolium temulentum*					
alone	40 lbs	0.9 lb	M-L		227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
			P		
			C		
SUDANGRASS *Sorghum sudanese*					
alone	60 lbs	1.4 lbs	M-L		85,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
			P		
			C		

Ds2

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
TRITICALE *X-Triticosecale*					
alone	3 bu. (144 lbs)	3.3 lbs	C		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
in mixture	1/2 bu. (24 lbs)	0.8 lb			
WHEAT *Triticum aestivum*					
alone	3 bu. (180 lbs)	4.1 lbs	M-L		15,000 seed per pound. Winter hardy.
in mixture	1/2 bu. (30 lbs)	0.7 lb	P		
			C		

[1] Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
[2] Reduce seeding rates by 50% when drilled.
[3] M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

Ds3

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
BAHIA, PENSACOLA *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	P		168,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and swins. Mix with Serices lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C		
BAHIA, WILMINGTON *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lb	M-L		
with other perennials	30 lbs	0.7 lb	P		Same as above.
BERMUDA, COMMON *Cynodon dactylon*					
Hulled seed			P		
alone	10 lbs	0.2 lb	C		1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
with other perennials	6 lbs	0.7 lb			
BERMUDA, COMMON *Cynodon dactylon*					
Unhulled seed					
with temporary cover	10 lbs	0.2 lb	P		Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue

Ds3

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x3'	0.9 cu ft	M-L		A cubic foot contains approximately 650 sprigs. A bushe contains 1.26 cubic feet or approximately 800 sprigs.
Coastal, Common, of Tift 44			P C		Same as above.
Tift 76			C		Southern Coastal Plain only
CENTIPEDE *Eremochloe ophuroides*					
	Block sod only		P C		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in constricted flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta
CROWNVETECH *Coronilla varia*					
with winter annuals or cool season grasses	18 lbs	0.3 lb	M-L P		100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate sea with N inoculant. Use from North Atlanta and Northward.

Ds3

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
LESPEDEZA *Lespedeza virgata DC or Appalow Lespedeza cuneata (Dumont) G. Don)*					
scarified	60 lbs	1.4 lb	M-L P C		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Serices lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		
LESPEDEZA, SHRUB *Lespedeza bicolor Lespedeza thumbergii*					
plants	3' x3'		M-L P C		Provids wildlife food and cover.
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L P C		1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Serices lespedeza on roadbanks.
with other perennials	2 lbs	0.05 lb			

Ds3

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
MAIDENCANE *Panicum hemitomon*					
sprigs	2' x 3' spacing	ALL			For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL *Panicum amarum var amarulum*					
	20 lbs	0.5 lb	P C		Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Serices lespedeza except on sand dunes.
REED CANARY GRASS *Phalaris arundinacea*					
alone	60 lbs	1.1 lb	M-L		
with other perennials	30 lbs	0.7 lb	P		Grows similar to Tall fescue
SUNFLOWER, 'AZTEC' MAXIMILLIAN *Helianthus maximiliani*					
	10 lbs	0.2 lb	M-L P C		227,000 seed per pound. Mix with Weeping lovegrass or other low-growing grasses or legumes.

1 Reduce seeding rates by 50% when drilled
2 PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.
3 M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs. See Figure 6-4.1

Ds3

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[3]	Pure Live Seed (PLS) Per 1000 sq/ft			
FESCUE, TALL *Festuca arundinacea*					
alone	60 lbs	1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lb	P		
KUDZU *Pueraria thumbergiana*					
Plants or crowns	3' - 7' apart		ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA *Lespedeza cuneata*					
scarified	60 lbs	1.4 lb	M-L P C		300,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		Mix with Tall fescue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	M-L P C		Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.

SOIL PROPERTIES TABLE (LOTS 46, 47, 54 & 55)

MAP UNIT	BEDROCK DEPTH (INCHES)	SEASONAL HIGH WATER TABLE (INCHES)	ESTIMATED PERCOLATION RATE (MIN/IN)	OPTIMUM PERCOLATION DEPTH (INCHES)	SUITABILITY CODES	HYDRAULIC LOADING RATE (GAL/SQ-FT/DAY)
WILKES	20-40"	>20"	NA	8" DRIP	H	0.05
ZION	20-40"	>20"	NA	NA	F	NA
IREDELL	>40"	20-30"	NA	8" DRIP	C	0.05

REVISIONS
03/10/16 - CHANGE PRIMARY PERMITTEE NAME
06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

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DWG: 2014-474R2.DWG | JOB NUMBER: 2014-474
DRAWN BY: JLJ | DATE: 06/27/16

PROJECT NAME
BURNT HICKORY ESTATES - PH8; LOTS 47, 47, 54 & 55
LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
PAULDING COUNTY, GEORGIA

CLIENT NAME
GEORGIA HOUSE BUYERS INC
21 COLONIAL CIRCLE NW
CARTERSVILLE, GEORGIA 30120

SEAL
GEORGIA REGISTERED PROFESSIONAL ENGINEER JEFFREY L. JOHNSON NO. 27064
06/27/16

EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS - SHEET 1

3.0

Ds2 Ds3

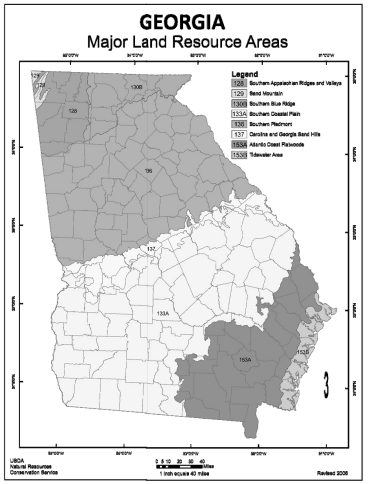


Figure 6-4.1

Ds2 Ds3

Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/ 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 0-16-10 0-16-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ — —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	— — —
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First Maintenance	0-16-10 0-16-10	700 lbs./ac. 700 lbs./ac. 4/	—
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/8/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 0-16-10 0-16-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac./8/

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

Ds3

Table 6-5.4.

Trees for Erosion Control

SITE	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES[1]	SPACING	PLANTING DATES[2]
Borrow areas, graded areas, and spoil material	Sandy	Lakeland, Troup	Loblolly pine (Pinus taeda) Longleaf pine (Pinus palustris)	[3]	M-L,P 12/1-3/15 C 12/1-3/1
	Loamy	Orangeburg, Tifton	Loblolly pine Slash pine Loblolly pine	[3]	M-L,P 12/1-3/15 C 12/1-3/1
	Clay	Cecil, Faceville	Slash pine Virginia pine (Pinus virginiana)	[3]	M-L,P 12/1-3/15 C 12/1-3/1
Streambanks			Willows[4] (Salix species)	2 ft x 2 ft	ALL

[1] Other trees and shrubs listed on Table 6-25.3 may be interplanted with the pines for improved wildlife benefits.

[2] Type of Planting — Tree Spacing — No. of Trees Per Acre
Trees alone — 4 ft. x 4 ft. — 2722
Trees in combination with grasses and/or other plants — 6 ft. x 6 ft. — 1210

[3] M-L represents the Mountains; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs (See Figure 6-4.1).

[4] Fertilization of companion crop is ample for this species.

SD2-P

CURB INLET FILTER "PIGS IN BLANKET"

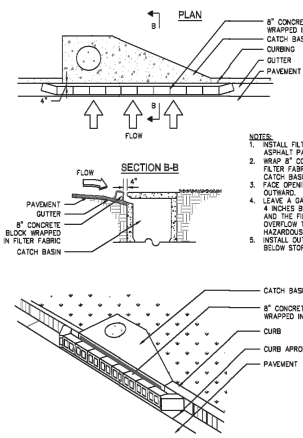


Figure 6-28.8 Curb Inlet Filter "Pigs in Blanket"

Ds3

Table 6-5.3.

Durable Shrubs and Ground Covers for Permanent Cover

Ground covers include a wide range of low-growing plants planted together in considerable numbers to cover large areas of the landscape. Ground covers grow slower than grasses. Weeds are likely to compete, especially the first year. Maintenance is needed to insure survival. These ground covers will not be used unless proper maintenance is planned. Maintain mulch at three-inch thickness until plants provide adequate cover.

Fall planting is encouraged because the need for constant watering is reduced and plants have time to establish new roots before hot weather.

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Abelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	Vine. Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen. Native to Georgia.
Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Bearberry Cotoneaster	Cotoneaster dammeri	2-4 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Ground Cover Cotoneaster	Cotoneaster salicifolius 'Repens'	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Virginia Creeper	Parthenocissus quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to Georgia.
Daylily	Hemerocallis spp.	2-3 ft.	2 ft.	Many flower colors. Full sun. Very hardy.
English Ivy	Hedera helix	low	3 ft.	Shade only. Climbs.
Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.
Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	6 ft.	Very durable. Sun, semi-shade.
Dwarf Burford Holly	Ilex burfordii 'Nana'	5-8 ft.	8 ft.	
Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable, sun, semi-shade.

Ds3

Table 6-5.3. Durable Shrubs and Ground Covers for Permanent Cover

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Repandens Holly	Ilex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	2-3 ft.	5 ft.	Excellent for slopes. Sun.
Andorra Compacta Juniper	Juniperus horizontalis 'Plumosa compacta'	1-2 ft.	5 ft.	More compact than andora.
Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
Blue Rug Juniper	Juniperus horizontalis 'Wiltonii'	4-8 in.	3 ft.	Very low. Sun.
Parsons Juniper	Juniperus davurica 'Expansa' (Squamata Parsoni)	18-24 in.	5 ft.	One of the best, good winter cover.
Pfitzer Juniper	Juniperus chinensis 'Pfitzerana'	6-8 ft.	6 ft.	Needs room.
Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	Feathery appearance.
Sargent Juniper	Juniperus chinensis 'Sargentii'	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter color.
Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	Emerald Sea or Blue Pacific cultivars are good.
Liriope	Liriope muscari	8-10 in.	3 ft.	

Ds3

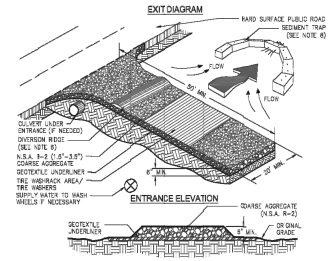
Table 6-5.3. Durable Shrubs and Ground Covers for Permanent Cover

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Creeping Liriope	Liriope spicata	10-12 in.	1 ft.	Spreads by runners.
Big Leaf Periwinkle	Vinca major	12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.
Common Periwinkle	Vinca minor	5-8 in.	4 ft.	Lavender-blue flowers in spring. Semi-shade
Cherokee Rose	Rosa laevigata	2 ft.	5 ft.	Rampant grower. Not for restricted spaces. State flower.
Memorial Rose	Rosa wauchuriana	2 ft.	6 ft.	Rampant grower.
St. Johnswort	Hypericum calycanum	8-12 in.	3 ft.	Semi-shade.
Anthony Waterer Spirea	Spirea bumalda	3-4 ft.	5 ft.	Sun.
Thunberg Spirea	Spirea thinbergii	3-4 ft.	5 ft.	Sun.

Co

MAINTENANCE
The exit shall be maintained in a condition which will prevent tracking or flow of mud onto public right-of-way. This may require periodic top dressing with 1.5-3.5 inch stone, as conditions demand, and repair and/or cleanout of any structures to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

CRUSHED STONE CONSTRUCTION EXIT



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION No.2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 8".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHALL BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC ROADS OR HAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Figure 6-14.1

REVISIONS
03/10/16 - CHANGE PRIMARY PERMITTEE NAME
06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

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DWG: 2014-474R2.DWG | JOB NUMBER: 20144474
DATE: 06/27/16 | DRAWN BY: JLJ

PROJECT NAME
BURNT HICKORY ESTATES - PH8, LOTS 47, 47, 54 & 55
LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
PAULDING COUNTY, GEORGIA

CLIENT NAME
GEORGIA HOUSE BUYERS INC
21 COLONIAL CIRCLE NW
CARTERSVILLE, GEORGIA 30120

SEAL
GEORGIA REGISTERED NO. 27054 PROFESSIONAL ENGINEER JEFFREY L. JOHNSON
06/27/16

EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS - SHEET 2

3.1

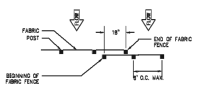
SD1

Table 8-27.2 Post Size			
Type	Min Length	Type of Post	Size of Post
NS	4'	Soft wood Oak Steel	3"dia or 2x4 1.5" x1.5" 1.3lb./ft. min
S	4'	Steel Oak	1.3lb./ft. min 2"x2"

Table 8-27.3 Fasteners for Wood Posts				
	Guage	Crown	Legs	Staples / Post
Wire Staples	17 min.	3/4" wide	1/2" long	5 min.
	Guage	Length	Button Heads	Nail/ Post
Nails	14 min.	1"	3/4"	4 min.
Note: Filter Fabric may also be attached to the post by wire, chorts, and pockets or any other method provided minimum P-factor, as required by GSWCC, is met.				

FASTENERS FOR SILT FENCES

OVERLAP AT FABRIC ENDS





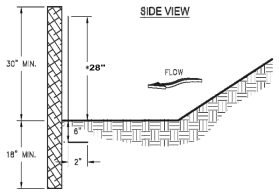
NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

Figure 8-27.5

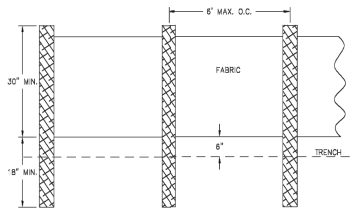
SD1-NS

SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW



FRONT VIEW



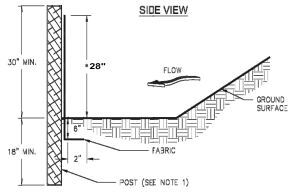
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Figure 8-27.1

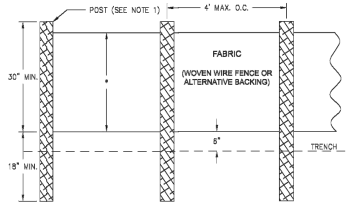
SD1-S

SILT FENCE - TYPE SENSITIVE

SIDE VIEW



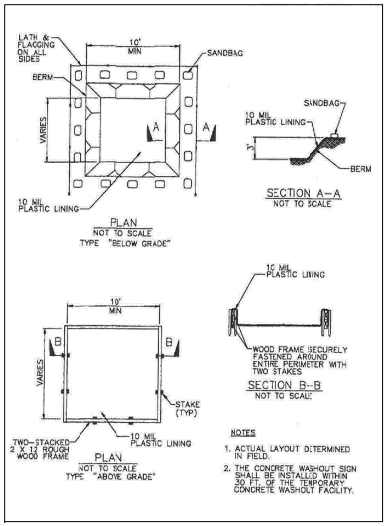
FRONT VIEW



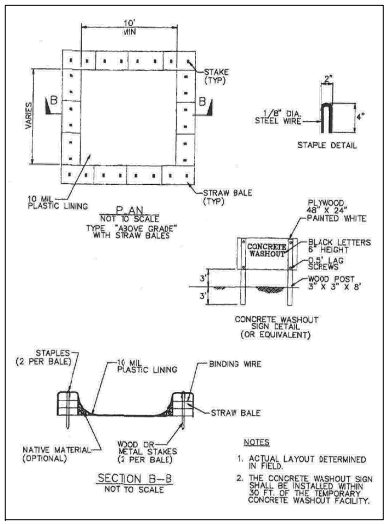
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Figure 8-27.2

CONCRETE WASH OUT DETAILS

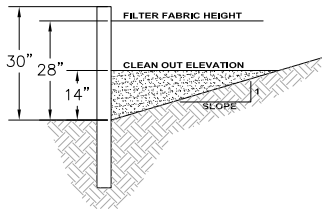


NOTES
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 20 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



NOTES
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 20 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

SEDIMENT STORAGE CALCULATIONS



LOCATION	SLOPE FT/FT	LENGTH OF FENCE (FT.)	SEDIMENT STORAGE VOLUME (C.Y.)	DISTURBED AREA (AC.)	REQ'D SEDIMENT STORAGE (C.Y.)
LOT 46	10	315	79.3	0.69	46.2
LOT 47	8	250	50.4	0.50	33.5
LOT 54	10	205	51.6	0.51	34.2
LOT 55	6	250	37.8	0.56	37.5

SILT FENCE SEDIMENT STORAGE JUSTIFICATION

SEDIMENT STORAGE WILL BE PROVIDED WITH THE USE OF SILT FENCE ON THE FOUR LOTS SHOWN WITHIN THESE PLANS TO LIMIT IMPACT TO SOILS IN SURROUNDING AREAS THAT ARE BEING RESERVED FOR FUTURE REPLACEMENT SEPTIC DISTRIBUTION LINES. THE IMPACT BY CONSTRUCTING SEDIMENT BASINS OR SEDIMENT TRAPS AND DIVERSIONS TO THEM WILL INTERFERE WITH THE SOIL PROPERTIES IN THE AREAS OF FUTURE REPLACEMENT SEPTIC DRAIN FIELDS AND ARE THEREFORE NOT RECOMMENDED FOR THESE SMALL DISTURBED AREAS ON THESE INDIVIDUAL LOTS. THE SILT FENCE CALCULATIONS ABOVE PROVIDE FOR THE REQUIRED 67 C.Y. OF SEDIMENT STORAGE FOR THE PROPOSED DISTURBED AREAS ON EACH INDIVIDUALLY GRADED LOT.

REVISIONS
03/10/16 - CHANGE PRIMARY PERMITTEE NAME
06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

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PROJECT NAME
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LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
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SEAL
GEORGIA REGISTERED NO. 27064 PROFESSIONAL ENGINEER JEFFREY L. JOHNSON
06/27/16

EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS - SHEET 3

3.2

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
COMMON DEVELOPMENT CONSTRUCTION PROJECTS (Primary and Tertiary Permittees)

SWCD:

Project Name: Burnt Hickory Estates Ph 8 Address: Fort Timothy Dr & Harrison Lake

City/County: Paulding Date on Plans: 6/27/16

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
3.3	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
2.0	Y	2 Level I certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level I number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
N/A	N/A	3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.)
2.0	Y	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
2.0	Y	5 Provide the name, address and phone number of the primary permittee or tertiary permittee.
2.0	Y	6 Note total and disturbed acreage of the project or phase under construction.
2.0	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
2.0	Y	9 Description of the nature of construction activity.
1.0	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
2.0	Y	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
1.0	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 18 of the permit.
1.0	Y	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 17 &18 of the permit.
N/A	N/A	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."*
1.0 2.0	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
2.0	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
2.0	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
2.0	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."
2.0	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
2.0	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
2.0	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22 Indication that the applicable portion of the primary permittees ES&PC Plan is to be provided to each secondary permittee prior to the secondary conducting any construction activity and that each secondary shall sign the Plan or portion of the Plan applicable to their site. List the names and addresses of all secondary permittees.*
N/A	N/A	23 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of an 8digs Impaired Stream Segment, must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	N/A	24 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment(identified in item 23 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
3Z 2.0	Y	25 BMPs for concrete washdown of trucks, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of this drum at the construction site is prohibited.
2.0	Y	26 Provide BMPs for the remediation of all petroleum spills and leaks.
2.0	Y	27 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.
2.0 1.0	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.
2.0	Y	29 Description and sheet or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
N/A	N/A	30 Provide complete requirements of inspections and record keeping by the primary permittee or tertiary permittee.
2.0	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results.*
N/A	N/A	32 Provide complete details for retention of records as per Part III.F. of the permit.
N/A	N/A	33 Description of analytical methods to be used to collect and analyze the samples from each location.*
N/A	N/A	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
N/A	N/A	35 Delineate all sampling locations if applicable, perennial and intermittent streams and other water bodies into which storm water is discharged.*
1.0	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.
1.0	Y	37 Plan addresses BMPs for all phases of common development including individual building lots and pad-parcels, etc. regardless of who owns or operates the individual sites. Include a typical and any situational lots applicable.
1.0	Y	38 Graphic scale and North arrow.
1.0	Y	39 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
N/A	N/A	40 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org. NONE PROPOSED
N/A	N/A	41 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. NO WE PROPOSED
1.0	Y	42 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
1.0	Y	43 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
1.0	Y	44 Delineation and acreage of contributing drainage basins on the project site.
N/A	N/A	45 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
N/A	N/A	46 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. *
2.0	Y	47 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
1.0	Y	48 Soil series for the project site and their delineation.
1.0	Y	49 The limits of disturbance for each phase of construction.
2.0 3.3	Y	50 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

1.0	Y	51 Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6 with legend.
3.0- 3.3	Y	52 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
2.0- 3.1	Y	53 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

*This requirement of the Common Development permit is not applicable to Tertiary Permittees with a Plan(s) for a typical individual lot(s), if the total land disturbance within the construction site is less than five (5) acres and the total land disturbance within each individual lot is less than one (1) acre. If applicable, the * checklist item would be N/A.

Effective January 1, 2016

REVISIONS
- 03/10/16 - CHANGE PRIMARY PERMITTEE NAME
- 06/22/16 - UPDATE TO CURRENT EROSION CHECKLIST, REMOVE LOT 67

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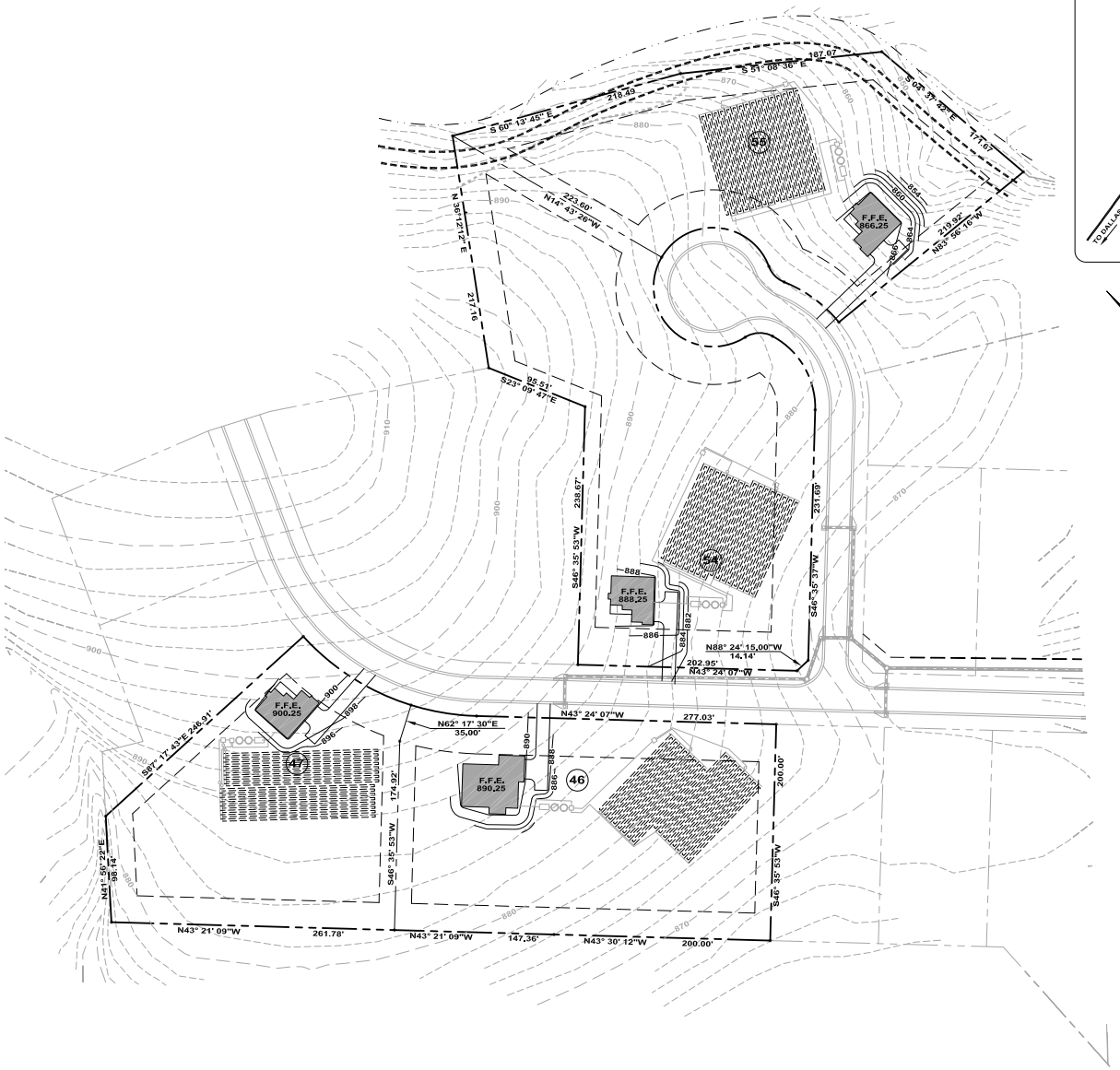
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LAND LOTS 489 & 490, 3RD DISTRICT, 3RD SECTION
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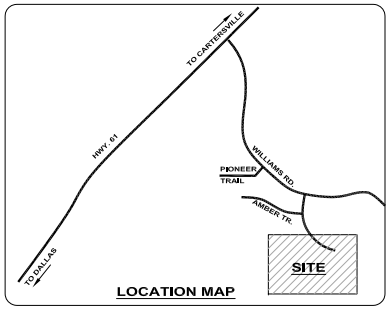
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06/27/16

EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS - SHEET 4

3.3





LOCATION MAP

NORTH

FLOOD NOTE: NO PORTIONS OF THIS PROPERTY LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON PAULDING CO. , GEORGIA F.E.M.A. FLOOD RATE INSURANCE MAP, COMMUNITY PANEL NUMBER 13223C0133C, DATED SEPTEMBER 29, 2006

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

811 Know what's below. Call before you dig.

24 HR. CONTACT
JEFF COX
678-900-4283

REVISIONS

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06/27/16

GRADING PLAN
4.0